

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/01284

A. CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. ⁷ : E02F 9/28				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU: IPC E02F 9/28				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Dwpi: E02F 9/28 AND (pin+ or shaft+ or retain+) AND (rotat+ or turn+)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 5983534 A (ROBINSON et al) 16 November 1999 The whole document	1-5, 16-42		
X	AU 53866/98 A1 (WRIGHT EQUIPMENT COMPANY (PROPRIETARY) LIMITED) 02 September 1999 The whole document	1-5, 16-20 and 31-42		
X	AU 72240/00 A1 (CUTTING EDGES PTY LIMITED) 14 June 2001 The whole document	1-5, 16-20 and 31-42		
X	US 2002/0000053 A1 (ADAMIC et al) 3 January 2002 The whole document	1-5, 16-20 and 31-42		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex				
<p>* Special categories of cited documents:</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 50%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>			
Date of the actual completion of the international search 16 October 2003		Date of mailing of the international search report 23 October 2003		
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5435084 A (IMMEL) 25 July 1995 The whole document	1-5, 16-20 and 31-42
X,P	US 2003/0070330 A1 (OLDS et al) 17 April 2003 The whole document	1-5, 16-42
X,P	WO 03/048462 A1 (HENSLEY INDUSTRIES, INC.) 12 June 2003 The whole document	1-5, 16-42
A	US 2002/0023375 A1 (PIPPINS) 28 February 2002 The whole document	16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	5983534	AU	85201/98		
US	5435084	AU	80405/94	CA	2120087
				ZA	9409759
US	2002000053	AU	54094/01	CA	2312550
AU	72240/00				
AU	53866/99	CA	2340088	EP	1104574
		NZ	510143	WO	0010142
IT	RM980541				
US	2003070330				
WO	03048462	US	2003101627		
US	2002023375	AU	53515/00	CA	2316026
		US	6374521	US	6119378
				US	2001052196
				ZA	200004252
					END OF ANNEX